



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Meade et al.

Art Unit : J. Kerr

Serial No. : 09/012,904

Examiner : 1633

Filed : January 23, 1998

Title : TRANSGENIC PRODUCTION OF ANTIBODIES IN MILK

Assistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE

This is a response to the Office Action mailed from the U.S. Patent and Trademark Office on August 16, 1999. An appropriate extension of time is being filed herewith. Please amend the application as follows:

In the claims:

*SWB
D/C*

19. (Amended) A DNA construct for providing a heterologous immunoglobulin in the milk of a non-human transgenic mammal comprising [a heterologous immunoglobulin protein-coding sequence operatively linked to] a promoter sequence that results in the preferential expression of [said] a protein-coding sequence in mammary gland epithelial cells, an immunoglobulin protein-coding sequence, a 3' non-coding sequence; and a unique restriction site between the promoter and the 3' non-coding sequence, wherein the immunoglobulin coding sequence is inserted into the restriction site. [thereby providing a heterologous and assembled immunoglobulin in the milk of a transgenic mammal.]

20. (Cancel) The construct of claim 19 wherein said mammal is selected from the group consisting of mice, sheep, goats, pigs and cows.

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